

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
AIR QUALITY CONSTRUCTION PERMIT**

Permit No. 0025-AC026

Date: Final – January 8, 2001

**NYMAN POWER PLANT  
COAST GUARD COGENERATION PROJECT  
EMERGENCY GENERATOR ADDITION**

The Department of Environmental Conservation, under the authority of AS 46.03, AS 46.14, AS 46.40, 6 AAC 50, 18 AAC 15, and 18 AAC 50.315, issues an Air Quality Construction Permit to:

**Owner/ Operator      KODIAK ELECTRIC ASSOCIATION, INC.  
P.O. BOX 787  
KODIAK, AK 99615**

**Location:              UTM Coordinate Zone 5, Northing 6,398.800 km, Easting  
529.480, Building 12 Annex, USCG Integrated Support  
Complex Kodiak.**

Kodiak Electric Association, Inc. (KEA), proposes to install a 250 kW Caterpillar Black Start Emergency Generator to the Nyman Power Plant, Coast Guard Cogeneration Project.

The Department authorizes KEA to install the proposed modification in accordance with the terms and conditions of this permit, and as described in the original permit application and subsequent submittals listed in Exhibit C. This permit also authorizes KEA to operate the proposed equipment as provided by AS 46.14.120.

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John F. Kuterbach, Manager  
Air Permits Program

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Date

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## **PERMIT TERMS AND CONDITIONS**

### **I. Permit Continuity**

- A. This permit rescinds and replaces Air Quality Construction Permit No. 9825-AC003.
- B. Except as revised or rescinded herein, or as superseded by an Air Quality Permit issued under AS 46.14.170, the Permittee shall comply with terms and conditions of Air Quality Control Permit to Operate No. 9625-AA011.
- C. Exhibit B and Condition B.5 of Permit to Operate No. 9625-AA011 is rescinded.
- D. If permit terms and conditions listed in this permit conflict with those of Permit No. 9625-AA011, then the Permittee shall comply with terms and conditions listed herein.

### **II. Standard Permit Conditions**

- A. The Permittee shall comply with each permit term and condition; noncompliance constitutes a violation of AS 46.14, 18 AAC 50, and the Clean Air Act and is grounds for
  - 1. An enforcement action;
  - 2. Permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280; or
  - 3. Denial of an operating permit application.
- B. It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition.
- C. Each permit term or condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit;
- D. Compliance with the permit terms and conditions is considered to be compliance with those requirements that are
  - 1. Included and specifically identified in the permit; or
  - 2. Determined in writing in the permit to be inapplicable.
- E. The permit may be modified, reopened, revoked, and reissued, or terminated for cause;

a request by the Permittee for modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

- F. The permit does not convey any property rights of any sort, nor any exclusive privilege.
- G. The Permittee shall allow an officer or employee of the Department, or an inspector authorized by the Department, upon presentation of credentials and at reasonable times, with the consent of the owner or operator, to
  - 1. Enter upon the premises where a source subject to the construction permit is located or where records required by the permit are kept;
  - 2. Have access to and copy any records required by the permit;
  - 3. Inspect any facilities, equipment, practices, or operations regulated by or referenced in the permit; and
  - 4. Sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.
- H. The Permittee shall furnish to the Department, within a reasonable time, any information the Department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit, or to determine compliance with the permit; upon request, the Permittee shall furnish to the Department copies of records required to be kept; the Department, in its discretion, will require the Permittee to furnish copies of those records directly to the federal administrator.

### **III. Standard Record Keeping, Reporting, and Testing Conditions**

- A. The Permittee shall certify all reports, compliance certifications, or other documents submitted to the Department under this permit as required by 18 AAC 50.205.
- B. The Permittee shall submit test plans, reports, certifications, and notices required under Air Quality Control Permit No. 9625-AA011 and this permit to the Department's Air Permits Program, 610 University Avenue, Fairbanks, AK 99709, telephone (907) 451-2139; facsimile (907) 451-2187.
- C. The Permittee shall keep records of required monitoring data and support information for at least five years after the date of the collection; support information includes calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by this permit. The Permittee shall keep monitoring and compliance records as required by the Clean Air Act and applicable federal air quality regulations.

- D. The Permittee shall conduct source tests of unit exhausts and report results as described in 18 AAC 50.220. The Permittee shall comply with all applicable federal requirements, and:
1. Use the applicable test methods set out in 40 CFR Part 60, Appendix A, and 40 CFR, Part 61, Appendix B, effective December 19, 1996, to ascertain compliance with applicable standards and permit requirements;
  2. When requested by the Department or required by a permit term and condition, the Permittee shall conduct source tests of unit exhausts and report the results as described. The Permittee may propose alternative test methods if it can be shown to be of equivalent accuracy, and will ensure compliance with the applicable standards or limits. Alternative test procedures must be approved by the Department prior to the test date.
    - a. Nitrogen Oxides, NO<sub>x</sub>, expressed as NO<sub>2</sub> (ppm, lb/MMBtu, and lb/hr): Reference Method 7E or Method 20 specified in 40 CFR, Part 60, Appendix A.
    - b. Oxygen, O<sub>2</sub> (percent): Reference Method 3 or 3A as specified in 40 CFR, Part 60, Appendix A.
    - c. Stack Velocity and Volumetric Flow Rate: Reference Methods 1-4 as specified in 40 CFR, Part 60, Appendix A.
    - d. Particulate Matter (grains/dscf, lb/MMBtu, and lb/hr): Reference Method 5 as specified in 40 CFR, Part 60, Appendix A.
    - e. Sulfur dioxide, SO<sub>2</sub> (ppm, lb/MMBtu, and lb/hr): Reference Method 6 or 6C as specified in 40 CFR, Part 60, Appendix A.
    - f. Carbon Monoxide, CO (ppm, lb/MMBtu, and lb/hr): Reference Method 10 as specified in 40 CFR, Part 60, Appendix A.
  3. Submit to the Department, within 60 days after receiving a request, and at least 30 days before the scheduled date of the tests, a complete plan for conducting the source tests;
  4. Give the Department written notice of the tests 10 days before each series; and
  5. Within 45 days after completion of the set of tests, submit the results, to the extent practical, in the format set out in *Source Test Report Outline* in Volume III, Section IV.3, of the State Air Quality Control Plan, adopted by reference in

18 AAC 50.030(8).

6. Conduct visible emissions Surveillance (percent opacity) in accordance with procedures set out in Reference Method 9 as specified in 40 CFR, Part 60, Appendix A, effective July 1, 1997. For emission units subject to only visible emission standards set out in 18 AAC 50.050(a) or 50.055(a), the Permittee is not required to reduce observation data as set out in 40 CFR 60 Appendix A, Paragraph 2.5.
- E. The Permittee may seek Department approval of alternates to the monitoring, record keeping, and reporting requirements of this permit by submitting a written request to the Department. Until such time as the Department approves an alternative of a monitoring, record keeping, or reporting requirement, the Permittee shall comply with the requirements listed in this permit.
- F. Permittee shall submit to the Department two copies of a Semi-annual Facility Operating Report as set out in Exhibit A of this permit and Condition G(18) of Permit No. 9625-AA011, by January 30th and July 30th each year for operations during the preceding six months.
- G. Excess Emission Facsimile Report. Within 24 hours of discovery, the Permittee shall report emissions that exceed permit conditions of State and federal emission standards by faxing a completed and signed "Excess Emission Notification Form," found in Exhibit D, to the Department at (907) 269-7508.
- H. Air Pollution Emergency Report. In addition to the requirements of permit Condition III.G, upon discovery of any emission in quantity or duration that is potentially injurious to human health, the Permittee shall immediately contact the Department's Division of Spill Prevention and Response (SPAR) by telephone at (907) 269-7500 during normal working hours, and after normal working hours call (800) 478-9300, and fully explain the nature of the emergency.
- I. The Permittee shall keep a copy of this permit, the State Air Quality Control Regulations 18 AAC 50, and Alaska Statutes 46.14, at the permitted facility.

#### **IV. 18 AAC 50.010-020: Ambient Air Quality**

- A. The Permittee shall not interfere with the attainment or maintenance of the Ambient Air Quality Standards listed in 18 AAC 50.010, and shall not cause or contribute to a violation of the maximum allowable ambient concentrations (the PSD increments) listed in 18 AAC 50.020 as follows:
  1. Except as provided for in Condition IV.A(2), construct and operate the facility in accordance with the application and subsequent submittals listed in Exhibit C of this

permit.

2. Notify the Department prior to making any change at the facility that deviates from the permit application and subsequent submittals listed in Exhibit C, such as changes in equipment size, configuration, or location.
  - a. The Permittee shall ask the Department if additional ambient impact assessment modeling is warranted for the proposed change.
  - b. Within 60 days upon receiving written Department notice that modeling is warranted, the Permittee shall prepare and submit to the Department an ambient impact assessment for the specified air contaminant and averaging period.
  - c. The Permittee shall not make the change until the Department concurs the change will not interfere with attainment or maintenance of ambient standards and increments.
3. Permittee shall:
  - a. Burn fuel oil with a sulfur content no greater than 0.50%;
  - b. Complete construction of an exhaust stack no less than 20 meters in height for Unit #1 and 21.5 meters in height for Unit #2, no later than May 15, 1999; and
  - c. Operate Unit #3 only:
    - (1) to provide power for startup or orderly shutdown of Unit #1 or Unit #2 during loss of station service; and
    - (2) during periodic inspection and maintenance.

B. Monitoring and recording: The Permittee shall:

1. Conduct periodic fuel sulfur tests or obtain vendor certification of fuel sulfur content in accordance with Condition VIII.C(4)(b); and
2. Monitor and record the date, time, duration, and purpose Unit #3 operates.

C. Reporting: The Permittee shall:

1. List in the Semi-Annual Facility Operating Report required by Condition III.F, the sulfur content (in weight percent) of each fuel sample covering one or more distillate fuel oil shipments received. List the name of the supplier of each

shipment. Report any change in the type of fuel, test method, or analysis performed. Attach a copy of analyses. If the Permittee elects to document fuel sulfur content by means of vendor certification as set out in Condition VIII.C(5)(d), then attach the vendor certification.

2. Report the date exhaust stack construction for Units #1 and #2 is complete within 30 days after completion.
3. List in the Facility Operating Report required by Condition III.F, the date, time, duration, and purpose Unit #3 operates.

## V. Notification and Operating Conditions

- A. The Permittee is authorized to install and operate the following emission sources at the KEA Nyman Power Plant, for the ISC Cogeneration Project:

Tag #	Description	Rated Capacity
Unit #2	Solar Taurus 60-T7301S, SoLoNOx Combustor Design	6,200 kW
Unit #3	Caterpillar 3306B Blackstart Diesel Generator	250 kW
NA	Fuel Oil Storage Tank 1	27,000 gal
NA	Fuel Oil Storage Tank 2	27,000 gal

The Permittee is authorized to operate the following existing emission source at the Nyman Power Plant Facility:

Tag #	Description	Rated Capacity
Unit #1	DeLaval Enterprise DSR-48 Diesel Generator	3,035 kW

- B. The Permittee shall develop and implement standard operating and preventive maintenance procedures for each fuel burning equipment source listed in Condition V.A of this permit. The Permittee shall keep a copy of the procedures available at a location within the facility that is readily accessible to operators of the equipment and to authorized representatives of the Department.

The Permittee shall install, maintain, and operate, in accordance with standard operating procedures, fuel-burning equipment, process equipment, emission control devices, and testing equipment and monitoring equipment to provide an optimum control of air contaminant emissions during all operating periods.

- C. The Permittee shall record the date construction commences, halts, and when



construction is completed for installing Unit #2.

## **VI. Owner Requested Limits to Avoid Facility Classification as PSD Major**

### **A. To avoid classification as a PSD major facility for NO<sub>x</sub>:**

1. The Permittee shall limit Unit #1 fuel consumption to the following for any consecutive 12-month period:

$$F_{\text{Unit 1}} = 1,060,000 - (0.107 * F_{\text{Unit 2}}) - (0.043 * F_{\text{Unit 3}})$$

Where: F is the fuel consumption for each unit, gallons.

2. The Permittee shall limit emissions from Unit #1 to no greater than 113.5 lb of nitrogen oxides (NO<sub>x</sub>) per hour.
3. The Permittee shall limit emissions from Unit #2 to no greater than 22.1 lb per hour and 96 ppm NO<sub>x</sub> by using SoLoNO<sub>x</sub> controls.

### **B. Monitoring and Recordkeeping**

1. The Permittee shall monitor fuel consumption of Unit #1 and Unit #2 by use of a calibrated fuel flow meter. The fuel use may be estimated by calculations approved by the Department or by measuring tank fuel level in the event the meter is inoperable. The Permittee shall monitor fuel consumption of Unit #3 by either measuring tank fuel level or with a calibrated fuel flow meter. Fuel meters must be calibrated and certified to be accurate to  $\pm 5\%$ ; submit a copy of the manufacturer's certification of accuracy for each fuel meter within 90 days after meter installation.
2. The Permittee shall record the total fuel used in each unit each month.
3. The Permittee shall monitor:
  - a. Unit #1 NO<sub>x</sub> compliance in accordance with procedures set out in Condition VII(B) and (C); and
  - b. Unit #2 NO<sub>x</sub> compliance in accordance with procedures set out in Condition VIII.C(4) and C(5).

### **C. Reporting—The Permittee shall report compliance with Condition VI.A as follows:**

1. Report in the semi-annual Facility Operating Report required by Condition III.F the:

- a. Fuel consumed in each source each month;
  - b. The power produced from each unit each month; and
  - c. Submit a copy of the fuel meter(s) certification, if applicable.
2. Report in accordance with Condition III.G any incident for which Unit #1 operation occurs in excess of the fuel consumption limit or duration specified in Condition VI.A.

## **VII. Best Available Control Technology Limits--Unit 1**

If EPA vacates the BACT limits, Condition VII.A is void.

- A. The Permittee shall limit emissions from Unit #1 to:
  1. No greater than 113.5 lb of nitrogen oxides (NO<sub>x</sub>) per hour;
  2. No greater than 318.1 tons of NO<sub>x</sub> per year by complying with operating limits established in Condition VI.A;
  3. No greater than 30.5 lb of carbon monoxide (CO) per hour; and
  4. No greater than 132 tons of CO per year by complying with operating limits established in Condition VI.A.
- B. The Permittee shall monitor and record compliance with applicable emission limits listed in Conditions VII.A and VI.A(2) by conducting an emission source test for Unit #1 to ascertain NO<sub>x</sub> and CO emission rates in accordance with Condition III.D within 60 days after Unit #2 achieves the maximum production rate, but not later than 180 days after Unit #2 initial start-up. The Permittee shall conduct emission source tests while operating the unit at no less than 95% of the base load duty rating.
- C. The Permittee shall report results of the emission source test in accordance with Condition III.D.

## **VIII. Federal Emission Standards Adopted by Reference in 18 AAC 50.040**

The Permittee shall comply with the requirements of 40 CFR 60, New Source Performance Standards (NSPS), and 40 CFR 61, National Emission Standards for Hazardous Air Pollutants (NESHAP), as they apply to the equipment specified below.

The Permittee shall submit a copy of all NSPS and NESHAPS reporting to the U.S. EPA Region 10 and the Department as required by the applicable Federal standards. The

Permittee may attach periodic federal reporting to the Facility Operating Report required by Condition III.F.

The Permittee shall notify the Department of any U.S. EPA granted waivers of NSPS or NESHAPS emission standards, record keeping, monitoring, performance testing, or reporting requirements within 30 days after the Permittee receives a waiver.

- A. 40 CFR. 60, Subpart A. All NSPS-affected facilities at the KEA Nyman Power Plant, except for the Volatile Organic Liquid Storage Tanks exempted under 40 CFR 60.110b(b), Subpart Kb. In accordance with 40 CFR 60, Subpart A, 40 CFR 61, Subpart A, and 18 AAC 50.040, for each construction, modification, or reconstruction of sources regulated under 40 CFR 60 and 61, the Permittee shall notify the Department and EPA of anticipated beginning construction date, initial equipment start-up date, actual equipment start-up date, and performance test date. The Permittee shall submit all information required under 40 CFR 60.6-60.8, 60.11-13, 60.14-19, 40 CFR 61.07 and 61.09-61.14.
- B. 40 CFR 60, Subpart Kb--Two 27,000 gallon Fuel Oil Storage Tanks:
  - 1. Applicability and designation of affected facility, 40 CFR 60.110b. Volatile organic liquid storage tanks greater than 40 cubic meters in volume are subject to this Subpart as listed in 40 CFR 60.110b(a).
  - 2. Standard for volatile organic compounds (VOC), 40 CFR 60.112b. The storage tanks are exempt from 40 CFR 60.112b, provided the Permittee stores liquids with a true vapor pressure less than 3.5 kilopascals (kPa).
  - 3. Testing and procedures, 40 CFR 60.113b. The storage tanks are exempt from 40 CFR 60.113b, provided the Permittee stores liquids with a true vapor pressure less than 3.5 kilopascals (kPa).
  - 4. Reporting and record keeping requirements, 40 CFR 60.115b. The storage tanks are exempt from 40 CFR 60.115b, provided the Permittee stores liquids with a true vapor pressure less than 3.5 kilopascals (kPa).
  - 5. Monitoring of operations, 40 CFR 60.116b.
    - a. Pursuant to 40 CFR 60.116b(a) and (b), the Permittee shall keep readily accessible records showing the dimension of the storage vessels and an analysis showing the capacity of the storage vessel for each storage tank greater than equal to 40 cubic meters.
    - b. For tanks greater than or equal to 75 cubic meters, the Permittee shall submit to the Department a copy of the thirty-day notification required by

40 CFR 60.116b(d); and the Permittee shall determine the vapor pressure in accordance with 40 CFR 60.116b(e)(1) and (2)(i).

C. 40 CFR 60, Subpart GG--Gas Turbine Unit #2:

1. Applicability and designation of affected facilities, 40 CFR 60.330. Affected units are all stationary gas turbines with a heat input at peak-load equal to or greater than 10.7 gigajoules per hour based on low heating value as described in 40 CFR 60.330(a) and (b).
2. Standard for nitrogen oxides, 40 CFR 60.332. Unit #2 is as classified in 40 CFR 60.332(c). Except as provided for in 40 CFR 50.332(k), the Permittee shall comply with the nitrogen oxides new source performance standard listed in 40 CFR 60.332(a)(2) of 150 (14.4/Y) ppm, corrected for turbine heat rate (Y), fuel-bound nitrogen and 15% oxygen by using steam injection technology.
3. Standard for sulfur dioxide, 40 CFR 60.333. The Permittee shall comply with the sulfur dioxide new source performance limitation listed in 40 CFR 60.333(a) or (b) of 150 ppm emission standard or 0.8% fuel sulfur content by weight. The Permittee shall comply with these requirements by burning distillate fuel oil with a sulfur content that does not exceed 0.50% fuel sulfur by weight.
4. Monitoring of operations, 40 CFR 60.334.

The Permittee shall comply with 40 CFR 60.334(b) to monitor the sulfur and nitrogen content of the gas turbine fuel. The Permittee shall record fuel sulfur and nitrogen content at each occasion fuel is transferred to the bulk fuel storage tank as specified in 40 CFR 60.334(b)(1). The Permittee shall record fuel sulfur content or develop a custom schedule to test fuel as specified in 40 CFR 60.334(b)(2). The Permittee shall include with reports submitted under 40 CFR 60.7(c), information as listed in 40 CFR 60.334(c).

5. Test methods and procedures, 40 CFR 60.335.
  - a. To compute nitrogen oxide emissions, the Permittee shall use analytical methods and procedures as required by 40 CFR 60.335(a).
  - b. The Permittee shall demonstrate compliance with 40 CFR 60.332(a)(2) and 333 by:
    - (1) conducting performance tests in accordance with Condition III.D as required in 40 CFR 60.335(b) and (c), or alternative test methods in accordance with 40 CFR 60.335(f);

(2) determining compliance with the sulfur dioxide standard listed in 40 CFR 60.333(b) by using the methodology in 40 CFR 60.335(d).

- c. The Permittee may use a third-party in accordance with 40 CFR 60.335(e) to determine fuel nitrogen and sulfur content.
- d. The Permittee may propose an alternative to the reference methods in accordance with 40 CFR 60.335(f)(1).

**IX. 18 AAC 50.055: Industrial Processes and Fuel-Burning Equipment Sources--Units #1, #2, and #3**

- A. The Permittee shall comply with 18 AAC 50.055(a)(1) and 18 AAC 50.055(b)(1), which state that visible emissions, excluding condensed water vapor, from an industrial process or fuel-burning equipment may not reduce visibility through the exhaust effluent by greater than 20 percent, for a total of more than three minutes in any one hour, and particulate matter emitted from an industrial process or fuel-burning equipment may not exceed, per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours, 0.05 grains.
- B. The Permittee shall comply with 18 AAC 50.055, which states that sulfur compound emissions, expressed as sulfur dioxide, may not exceed 500 ppm averaged over a period of three hours. The Permittee shall ensure compliance with this requirement by using only distillate fuel oil with a fuel sulfur content not to exceed 0.50 percent by weight.
- C. Monitoring and recording: The Permittee shall:
  - 1. Conduct a visible emission surveillance for each unit no less than once each calendar year in accordance with Condition III.D;
  - 2. Conduct a particulate matter emission source test on Unit #1 within 60 days after Unit #2 achieves the maximum production rate, but not later than 180 days after Unit #2 initial start-up;
  - 3. Upon Department request, conduct a particulate matter emission test or visible emission surveillance as set out in permit Condition III.D; and
  - 4. Measure the fuel sulfur content of distillate fuel oil in accordance with sulfur measurement methods incorporated by reference under 40 CFR 60.17, as set out in Condition VIII.C(4)(b) and C(5)(c).
- D. Reporting--The Permittee shall:
  - 1. Submit results of each particulate source test required under Condition IX.C as set

out in Condition III.D.

2. Attach to the Facility Operating Report under Condition III.F, Visible Emission Reports for a surveillance conducted under IX.C(1) or (3).
3. Report fuel sulfur as provided for in Condition IV.C(1).

**X. 18 AAC 50.110: Air Pollution Prohibited**

- A. The Permittee shall comply with 18 AAC 50.110, which states that no person may permit any emission which is injurious to human health or welfare, animal or plant life, or property, or would unreasonably interfere with the enjoyment of life or property.

To comply with this requirement, the Permittee shall:

1. Take reasonable actions to address air pollution complaints resulting from emissions at the facility; and
2. Install, maintain, and operate, in accordance with standard operating procedures, fuel-burning equipment, process equipment, emission control devices, and testing equipment and monitoring equipment to provide a balanced control of air contaminant emissions during all operating periods.
  - a. Keep a log of all public complaints received regarding air emissions and the Nyman Power Plant or Coast Guard Cogeneration Project, including the date, time, nature of complaint, and Permittee response. Attach a copy of the complaint log to the Facility Operating Report required by Condition III.F.

**EXHIBIT A**  
**FACILITY OPERATING REPORT ATTACHMENTS**

Unless transmitted under a separate cover to the Department, the Permittee shall attach or include reports as listed below in accordance with Condition III.F and the Conditions cited below:

1. Condition IV.C(1), VIII.C(4), and IX.D(3)--Fuel sulfur and nitrogen analyses.
2. Condition IV.C(3)—List the date, time, duration, and purpose that Unit #3 operates.
3. Condition VI.C(1)--List operational hours, fuel consumption rate, and power production for each emission source.
4. Condition VIII--EPA periodic reporting for New Source Performance Standard affected facilities at the Nyman Power Plant.
5. Condition IX.D(2)--Visible emission surveillance forms.

Certify the Facility Operating Report in accordance with Condition III(A) and submit to the Department in accordance with Condition III(B).

**EXHIBIT B**  
**SUBMITTAL LIST**

1. Certify and submit all notifications in accordance with Conditions III.A and III.B.
2. Submit reports and notices required under Conditions III.D(2)-(5), for source tests.
3. Submit monitoring notices and requests set out under Condition III.E.
4. Submit Facility Operating Reports set out under Condition III.F.
5. Submit Excess Emission Reports as set out in Conditions III.G, III.H, and Exhibit D.
6. Submit facility change notices as set out in Condition IV.A(2).
7. Submit the stack height completion notice as set out in Condition IV.C(2).
8. Submit the fuel meter certificate of calibration within 90 days of installation as set out in Condition VI.B(2).
9. Submit the BACT emission source test report as set out in Condition VII.C.
10. Submit NSPS waivers and periodic reports as set out in Condition VIII; submit NSPS notifications as set out in Condition VIII.A; and submit NSPS performance tests as set out in Condition VIII.C(5)(b).
11. Submit particulate matter emission source test results as set out in Condition IX.D(1).



**EXHIBIT C**  
**PERMIT APPLICATION DOCUMENTATION**

December 5, 2000	KEA letter to ADEC submitting comments on preliminary permit.
November 17, 2000	ADEC letter to KEA with preliminary permit decision.
November 15, 2000	KEA letter to ADEC regarding Solar Turbine emission factors.
November 1, 2000	KEA letter to ADEC submitting additional information and retainer fee.
October 19, 2000	KEA letter to ADEC submitting permit addendum.
October 17, 2000	KEA submitting a construction permit for the installation of a Caterpillar Diesel Engine.
October 11, 2000	KEA letter to ADEC regarding installation of a Caterpillar Diesel Engine.
March 26, 1998	Steigers Corporation comments on behalf of KEA.
February 23, 1998	Technical Analysis, KEA Nyman Construction Permit Application.
February 5, 1998	Steigers Corporation revision for carbon monoxide emissions.
January 15, 1998	Steigers application clarification regarding dispersion model.
December 26, 1997	Steigers Corp. response to ADEC's 11/24/97 letter.
November 24, 1997	ADEC finding of application completeness.
October 17, 1997	KEA Construction permit application.
October 15, 1997	Steigers request to correct short-term emission limits in operating permit.
September 15, 1997	Steigers list of dispersion modeling issues.
July 7, 1997	ADEC response to 6/10/97 Steigers' Correspondence.
June 10, 1997	Steigers Corporation Air Quality Approval Issues.
May 5, 1997	Steigers Corp. Project Scope summary.
February 18, 1997	Steigers Corp. Request to preserve adjudicatory rights.
January 17, 1997	KEA's Air Quality Control Permit to Operate the Nyman Power Plant.

August 20, 1979	EPA PSD Permit Decision X79-10.
October 21, 1997	KEA's CZM Questionnaire for the Nyman Power Plant.
December, 1997	ADEC's Technical Analysis Report.

**EXHIBIT D**  
**EXCESS EMISSION NOTIFICATION FORM**

Fax this form to: (907) 269-7508      Telephone: (907) 269-8888

Kodiak Electric Association, Inc.

**Company Name**

Nyman Power Plant

**Facility Name**

**1. Reason for notification:**

☐ Excess Emission      ☐ Permit Condition Exceedence

**2. Event Information (Use 24-hour clock):**

	START Time:	END Time:	Duration (hr:min):
Date: _____	_____ : _____	_____ : _____	_____ : _____
Date: _____	_____ : _____	_____ : _____	_____ : _____
		<b>Total:</b>	_____ : _____

**3. Cause of Event (Check all that apply):**

☐ START UP      ☐ UPSET CONDITION      ☐ CONTROL EQUIPMENT  
☐ SHUT DOWN      ☐ SCHEDULED MAINTENANCE      ☐ OTHER \_\_\_\_\_

*Attach a detailed description of what happened, including the parameters or operating conditions exceeded.*

**4. Sources Involved:**

*Identify each Emission Source involved in the event, using the same identification number and name as in the Permit. List any Control Device or Monitoring System affected by the event. Attach additional sheets as necessary.*

Source ID No.	Source Name	Description	Control Device
_____	_____	_____	_____
_____	_____	_____	_____

**5. Emission Limit and/or Permit Condition Exceeded:**

*Identify each Emission Standard and Permit Condition exceeded during the event. Attach a list of ALL known or suspected injuries or health impacts. Attach additional sheets as necessary.*

Permit Condition	Limit	Exceedence
_____	_____	_____
_____	_____	_____

**6. Emission Reduction:**

*Attach a detailed description of ALL of the measures taken to minimize and/or control emissions during the event.*

**7. Corrective Actions:**

*Attach a detailed description of ALL corrective actions taken to restore the system to normal operation.*

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

KEA Nyman Power Plant  
Permit No. 0025-AC026

January 8, 2001

Printed Name:

Signature:

Date: